

CLAIMS:

- 1 1. A broadhead for use with an arrow, comprising:
2 a one piece body having a penetrating end, a shank formed integral
3 therewith and depending from the penetrating end and an arrow engaging
4 end formed integral therewith and depending from the shank, a continuous
5 circumferential blade retaining lip being defined on the one piece body;
6 and
7 a plurality of replaceable main blades, each of the plurality of main
8 blades having a leading edge and a trailing edge, a retaining edge being
9 defined proximate the leading edge, the retaining edge of each of the
10 plurality of blades being retainingly disposed in the continuous
11 circumferential blade retaining lip when each of the main blades is
12 operably coupled to the one piece body.
- 1 2. The broadhead of claim 1 having a tip blade operably coupled to the
2 penetrating end of the one-piece body.
- 1 3. The broadhead of claim 2, wherein the tip blade is disposed in a transverse
2 slot defined in the penetrating end of the one-piece body.
- 1 4. The broadhead of claim 2 wherein the tip blade is replaceably disposed in
2 a transverse slot defined in the penetrating end of the one piece body and
3 held therein by a removable retainer, the retainer penetrating both the tip
4 blade and the penetrating end.
- 1 5. The broadhead of claim 1, each of the plurality of blades having a
2 lightening slot defined therein.
- 1 6. The broadhead of claim 1, each of the plurality of blades being held in
2 operable engagement with the one piece body by the arrow being operably
3 coupled to the arrow engaging end of the one piece body.

1 7. The broadhead of claim 1, each of the plurality of blades being held in
2 operable engagement with the one-piece body at least in part by a
3 respective groove defined in the one-piece body.

1 8. The broadhead of claim 7, each of the plurality of blades being free to
2 translate in the respective groove defined in the one-piece body.

1 9. The broadhead of claim 1, the continuous circumferential blade retaining
2 lip being defined at an intersection of the penetrating end and the shank.

1 10. The broadhead of claim 1, the continuous circumferential blade retaining
2 lip being defined at an angle, the angle being directed inwardly and
3 upwardly toward the penetrating end from a penetrating end
4 circumferential margin.

1 11. The broadhead of claim 1, the continuous circumferential blade retaining
2 lip being formed at an angle of between substantially 10 and 75 degrees
3 relative to a broadhead longitudinal axis.

1 12. The broadhead of claim 11, the continuous circumferential blade retaining
2 lip being formed at an angle of 45 degrees relative to the broadhead
3 longitudinal axis.

1 13. A broadhead for use with an arrow, comprising:
2 a one piece body, a continuous circumferential blade retaining lip
3 being defined thereon, the continuous circumferential blade retaining lip
4 being defined at an angle, the angle being directed inwardly and upwardly
5 toward the penetrating end from a penetrating end circumferential margin;
6 and
7 a plurality of replaceable main blades, each of the plurality of main
8 blades having a leading edge and a trailing edge, a retaining edge being

9 defined proximate the leading edge, the retaining edge of each of the
10 plurality of blades being retainingly disposed in the continuous
11 circumferential blade retaining lip when each of the main blades is
12 operably coupled to the one piece body.

1 14. The broadhead of claim 13 having a tip blade operably coupled to the
2 penetrating end of the one-piece body.

1 15. The broadhead of claim 14, wherein the tip blade is disposed in a
2 transverse slot defined in the penetrating end of the one-piece body.

1 16. The broadhead of claim 14 wherein the tip blade is replaceably disposed in
2 a transverse slot defined in the penetrating end of the one piece body and
3 held therein by a removable retainer, the retainer penetrating both the tip
4 blade and the penetrating end.

1 17. The broadhead of claim 13, each of the plurality of blades having a
2 lightening slot defined therein.

1 18. The broadhead of claim 13, each of the plurality of blades being held in
2 operable engagement with the one piece body by the arrow being operably
3 coupled to the arrow engaging end of the one piece body.

1 19. The broadhead of claim 13, each of the plurality of blades being held in
2 operable engagement with the one-piece body at least in part by a
3 respective groove defined in the one-piece body.

1 20. The broadhead of claim 19, each of the plurality of blades being free to
2 translate in the respective groove defined in the one-piece body.

1 21. The broadhead of claim 13, the continuous circumferential blade retaining
2 lip being defined at an intersection of the penetrating end and the shank.

1 22. The broadhead of claim 13, the continuous circumferential blade retaining
2 lip being formed at an angle of between substantially 10 and 75 degrees
3 relative to a broadhead longitudinal axis.

1 23. The broadhead of claim 22, the continuous circumferential blade retaining
2 lip being formed at an angle of 45 degrees relative to the broadhead
3 longitudinal axis.

1 24. A method of forming a broadhead for use with an arrow, comprising:
2 forming a one-piece body;
3 forming a continuous circumferential blade retaining lip defined
4 thereon;
5 defining the continuous circumferential blade retaining lip at an
6 angle, the angle being directed inwardly and upwardly toward the
7 penetrating end from a penetrating end circumferential margin;
8 forming a plurality of replaceable main blades, each of the
9 plurality of main blades having a leading edge and a trailing edge, a
10 retaining edge being defined proximate the leading edge; and
11 retaining edge of each of the plurality of blades in the continuous
12 circumferential blade retaining lip when each of the main blades is
13 operably coupled to the one-piece body.

1 25. The method of claim 24 including forming a transverse slot in a
2 penetrating end of the one piece body, replaceably disposing a tip blade in
3 the transverse slot, and retaining the tip blade therein by a removable
4 retainer.

1 26. The method of claim 24 including holding each of the plurality of blades
2 in operable engagement with the one piece body at least in part by
3 disposing a portion of each blade in a respective groove defined in the one
4 piece body.

1 27. The method of claim 24 including forming the continuous circumferential
2 blade retaining lip at an angle of between 10 and 75 degrees relative to a
3 broadhead longitudinal axis.

1 28. The broadhead of claim 27 including forming the continuous
2 circumferential blade retaining lip at an angle of 45 degrees relative to the
3 broadhead longitudinal axis.